

QUANTUM DOT INFRARED PHOTODETECTOR FOCAL PLANE ARRAY

ABSTRACT OF THE DISCLOSURE

[0048] Techniques using QDIP technology to form imaging focal plane arrays capable of sensing one or more colors are disclosed. Hybridizing such QDIP arrays to supporting electronic circuitry (e.g., such as CMOS readout circuitry) enables the generation of an IR image that could be used for applications such as surveillance, night vision, and search and rescue operations.